

PF-0701 USA

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.

TANG, Y. Tom
YUE, Henry
LAL, Preeti
BURFORD, Neil
BANDMAN, Olga
BAUGHN, Mariah R.
AZIMZAI, Yalda
LU, Dyung Aina M.
PATTERSON, Chandra

<120> EXTRACELLULAR SIGNALING MOLECULES

<130> PF-0701 USA

<140> To Be Assigned

<141> Herewith

<150> 60/134,949; 60/144,270; 60/146,700; 60/157,508
<151> 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04

<160> 55

<170> PERL Program

<210> 1

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1288847CD1

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Met	Gly	Lys	Glu	Trp	Val	Lys	Ile	Leu	Leu	Phe	Leu	Leu	His	Leu	
															15
1				5					10						
Ser	Asn	Phe	Phe	Thr	Ile	Val	Thr	Phe	Leu	Gly	Ser	Gln	Gly	Leu	
				20					25						30
Leu	Gln	Ser	Pro	Ser	Tyr	Glu	Lys	Leu	Val	Gly	Cys	Cys	Leu	Met	
				35					40						45
Thr	Arg	Gly	Cys	Phe	Ser	Pro	Ser	Val	Met	Leu	Pro	Ser	Ala	Ala	
				50					55						60
Pro	Ser	Gln	Gln	Asp	Ser	Pro	Ser	His	Ser	Arg	Ala	Pro	Gly	Pro	
				65					70						75

Cys Ser

<210> 2

<211> 88

<212> PRT

<213> Homo sapiens

<220>

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0965528.092601

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<223> Incyte ID No: 1329044CD1

<400> 2

Met	Lys	Thr	Pro	Asn	Asp	Leu	Phe	Leu	Arg	Gln	Leu	Gly	Tyr	Leu
1				5					10					15
Ser	Ile	Cys	Cys	Phe	Val	Phe	Ser	Ser	Glu	Glu	Ser	Lys	Asn	Tyr
				20					25					30
Lys	Ile	Ser	Leu	Ile	Val	Tyr	Leu	Thr	Phe	Leu	Thr	Met	Glu	Thr
				35					40					45
Lys	Pro	Arg	Asn	Ser	Ile	Tyr	Ser	Val	Leu	Thr	Gln	Ser	Thr	His
				50					55					60
Pro	Asp	Phe	Glu	Ser	Pro	Arg	Thr	Gly	Val	Pro	Asn	Pro	Arg	Ala
				65					70					75
Glu	Asp	Gln	Tyr	Gln	Phe	Glu	Ala	Tyr	Tyr	Arg	Val	Thr		
				80					85					

<210> 3

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1493630CD1

<400> 3

Met	Ser	Met	Gln	Phe	Leu	Phe	Lys	Met	Val	Ala	Leu	Cys	Cys	Cys
1				5					10					15
Leu	Trp	Lys	Ile	Ser	Gly	Cys	Glu	Glu	Val	Pro	Leu	Thr	Tyr	Asn
				20					25					30
Leu	Leu	Lys	Cys	Leu	Leu	Asp	Lys	Ala	His	Cys	Val	Leu	Leu	Thr
				35					40					45
Pro	Cys	Gly	Tyr	Ile	Phe	Ser	Leu	Ile	Ser	Pro	Glu	Ile	Leu	Lys
				50					55					60
Leu	Thr	Leu	Ile	Thr	Leu	Gln	Ile	Leu	Leu	Ile	Leu	Lys	Asn	Leu
				65					70					75
His	Leu	Leu	Trp	Leu	Thr	Val	Ser	Ser	Arg	Cys	Val	His	Arg	Ser
				80					85					90
Ser	Ala	Arg	Lys	Glu	Lys									
				95										

<210> 4

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1533041CD1

<400> 4

Met	Arg	Leu	Ser	Leu	Pro	Leu	Gly	Ser	Leu	Leu	Trp	Pro	Phe	Leu
1				5					10					15
Val	Cys	Gly	Cys	Leu	Leu	Gln	Val	Ala	Leu	Cys	Gln	Thr	Arg	Ser
				20					25					30
Ala	Pro	His	Leu	Asp	Thr	His	Ser	Pro	Val	Ala	Phe	Gln	Cys	Ser

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				35					40					45
Gly	Arg	Lys	Pro	Val	Ser	Leu	Asp	Val	Lys	Leu	Thr	Leu	Met	Gly
				50					55					60
Trp	Gly	Arg	Gly	Leu	Gly	Arg	Arg	Gly	Gly	Arg	Gly	Glu	Gly	Thr
				65					70					75
Glu	Leu	Arg	Ile	Ser	Trp	Ser	Ala	Leu	Gln	Ala	Gln	Arg	Arg	Ser
				80					85					90
Ala	Lys	Val	Leu	Asn	Arg	Phe	Ser	Leu	Glu	Ile	Lys	Asn	Pro	
				95					100					

<210> 5

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1566162CD1

<400> 5

Met	Leu	Met	Phe	Ile	Lys	Gly	Leu	Ser	Ser	Thr	Leu	Phe	Leu	Gly
1				5					10					15
Ser	Thr	Leu	Ser	His	Arg	Asp	Pro	Ile	Cys	Phe	Tyr	Ser	Phe	His
				20					25					30
Phe	His	Leu	Tyr	Leu	Leu	Pro	His	Ala	Val	Ser	Pro	Val	Thr	Asn
				35					40					45
Ser	Ile	Tyr	Asn	Tyr	Leu	Leu	Gly	Leu	Tyr	Leu	Asp	Thr	Cys	Thr
				50					55					60

<210> 6

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1811831CD1

<400> 6

Met	Pro	Lys	Ser	Gln	Ser	His	His	Leu	Thr	Gln	Leu	Gln	Leu	Leu
1				5					10					15
Pro	Ser	Cys	Leu	Leu	Gly	Leu	Leu	Pro	Pro	Val	Pro	Ala	Val	His
				20					25					30
Ala	Tyr	Ile	Leu	Gln	Gly	Cys	Val	Leu	Ser	Gly	Arg	Glu	Ile	Phe
				35					40					45
Phe	Ser	Val	Leu	Gln	Phe	Phe	Thr	Gln	Thr	Phe	Ser	Phe	Val	Val
				50					55					60
Pro	Val	Phe	Pro	Ser	Phe	Pro	Gly	Gly	Phe	Arg	Leu	Pro	Phe	Ser
				65					70					75
Ser	Pro	Trp	Leu	Ser	Leu	Cys	Pro	Ile	His	Arg	Ser	Thr	Leu	Gln
				80					85					90
Ala	Cys	Leu	Tyr	Glu	Arg	Gly	Leu	Phe	Leu	Cys	Arg	Lys	Leu	Thr
				95					100					105
Leu	Thr	Arg	Cys	Gly	Cys	Ser	Tyr	Thr	Asp	Leu	Ile			
				110					115					

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<210> 7
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1835447CD1

<400> 7
Met Arg Ala Lys Gly Phe Leu Ala Pro Ser Leu Val Leu Ala Val
1 5 10 15
Ser Leu Glu Leu Met His Pro Asp Ala Asn Ser Pro Ser Glu Cys
20 25 30
Arg Gly Asp Glu Thr Leu Thr Gly Gln Phe Asn Leu Tyr Met Gly
35 40 45
Asp Lys Leu Glu Gly Lys Thr Asn Gly Arg Arg Val Lys Arg Lys
50 55 60
Leu Asn Tyr Cys Ala Asn Thr Arg His Ser Asn Pro Gly Gly Tyr
65 70 75
Cys Arg Val Asn Asn Asp Arg Tyr Tyr Phe Val
80 85

<210> 8
<211> 109
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3892281CD1

<400> 8
Met Arg Cys Arg Leu Leu Ala Gly Ala Leu Val Leu Leu His Leu
1 5 10 15
Arg Leu Ser Ile Trp Leu Leu Gly Leu Pro His Ser Met Ala Asp
20 25 30
Gly Leu Arg Glu Gly Ala Phe Pro Asn Lys Gly Pro His Lys Leu
35 40 45
Asp Leu Trp Arg Ala Ser Leu Arg Ser His Pro Val Ser His Gly
50 55 60
Pro His Phe Ile Gly Tyr Arg Ala Ser Gln Phe Glu Gly Glu Glu
65 70 75
Lys Tyr Val Ala Val Tyr Ala Val Ser Ser Ala Ser Leu Leu Pro
80 85 90
Ala Leu Pro Val Pro Val Leu Arg Ala Ala Leu Ala Glu Gln Met
95 100 105
Tyr Leu Leu Ser

<210> 9
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<212> PRT
<213> Homo sapiens

<220>

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<221> misc_feature

<223> Incyte ID No: 4318494CD1

<400> 9

Met Arg Ser Pro Ser Phe Pro Phe Thr Leu Leu Ser Gly Leu Pro
1 5 10 15
Gly Pro Gly Phe Ser Gln Leu Cys Val Arg Val Ser Gln Val Ser
20 25 30
Arg Asn Pro Met Arg Ser Glu Gly Cys Phe Gly Leu Leu Lys Ser
35 40 45
Val Gln Asp Asn Pro Ala Ser Ala Leu Glu Leu Leu Asp Phe Ser
50 55 60
Asp Ile Gln Val Asn Ala Glu Phe Asp Gly Leu Ala Ser Ser Val
65 70 75
Arg Gly Ile Leu Pro Glu Leu Cys Ile Lys Thr Gly Ala Cys Arg
80 85 90
Val Glu Tyr Lys Lys Glu Leu Leu Pro Val Phe Arg Ser Ala Leu
95 100 105
Pro Ala Ser Val Pro Lys
110

<210> 10

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5090841CD1

<400> 10

Met Glu Pro Gln Leu Gly Pro Glu Ala Ala Ala Leu Arg Pro Gly
1 5 10 15
Trp Leu Ala Leu Leu Leu Trp Val Ser Ala Leu Ser Cys Ser Phe
20 25 30
Ser Leu Pro Ala Ser Ser Leu Ser Ser Leu Val Pro Gln Val Arg
35 40 45
Thr Ser Tyr Asn Phe Gly Arg Thr Phe Leu Gly Leu Asp Lys Cys
50 55 60
Asn Ala Cys Ile Gly Thr Ser Ile Cys Lys Lys Phe Phe Lys Glu
65 70 75
Glu Ile Arg Ser Asp Asn Trp Leu Ala Ser His Leu Gly Leu Pro
80 85 90
Pro Asp Ser Leu Leu Ser Tyr Pro Ala Asn Tyr Ser Asp Asp Ser
95 100 105
Lys Ile Trp Arg Pro Val Glu Ile Phe Arg Leu Val Ser Lys Tyr
110 115 120
Gln Asn Glu Ile Ser Asp Arg Arg Ile Cys Ala Ser Ala Ser Ala
125 130 135
Pro Lys Thr Cys Ser Ile Glu Arg Val Leu Arg Lys Thr Glu Arg
140 145 150
Phe Gln Lys Trp Leu Gln Ala Lys Arg Leu Thr Pro Asp Leu Val
155 160 165
Gln Asp Cys His Gln Gly Gln Arg Glu Leu Lys Phe Leu Cys Met
170 175 180

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Leu Arg

<210> 11
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2006548CD1

<400> 11
Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr
1 5 10 15
Val Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val
20 25 30
Gln Cys Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg
35 40 45
Gly Leu Arg Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys
50 55 60
His Pro Gly Ser His Lys Val Pro Phe Phe Arg Lys Arg Lys His
65 70 75
His Thr Cys Pro Cys Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro
80 85 90
Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu Lys Asn Ile Asn Phe
95 100 105

<210> 12
<211> 342
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2207183CD1

<400> 12
Met Glu Gly Pro Glu Phe Leu Arg Thr Ala Thr Ser Ala Ser Gly
1 5 10 15
Arg Gly Glu His Arg Ala Glu Gly Val Cys Ser Arg Leu Arg Glu
20 25 30
Ala Ala Arg Arg Arg Gly Arg Pro Ser Leu Lys Gly Lys Arg Lys
35 40 45
Arg Gly Ser Ala Ser Ile Pro Glu Arg Gly Leu Gly Arg Met Lys
50 55 60
Thr Ser Ala Glu Leu His Glu Gln Glu Lys Pro Pro Ser Ser Pro
65 70 75
Arg Ala Thr Gly Pro Gly Arg Leu Gly His Ala Arg Gly Arg Gly
80 85 90
Pro Asp Ala Leu Arg Gly Gly Ala Ala Gly Pro Gly Arg Ala Ser
95 100 105
Ser Gly Ala Pro Arg Glu Arg Lys Met Ala Pro His Gly Pro Gly
110 115 120
Ser Leu Thr Thr Leu Val Pro Trp Ala Ala Ala Leu Leu Leu Ala

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	125		130		135
Leu Gly Val Glu	Arg Ala Leu Ala Leu	Pro Glu Ile Cys Thr	Gln		
	140		145		150
Cys Pro Gly Ser	Val Gln Asn Leu Ser	Lys Val Ala Phe Tyr	Cys		
	155		160		165
Lys Thr Thr Arg	Glu Leu Met Leu His	Ala Arg Cys Cys Leu	Asn		
	170		175		180
Gln Lys Gly Thr	Ile Leu Gly Leu Asp	Leu Gln Asn Cys Ser	Leu		
	185		190		195
Glu Asp Pro Gly	Pro Asn Phe His Gln	Ala His Thr Thr Val	Ile		
	200		205		210
Ile Asp Leu Gln	Ala Asn Pro Leu Lys	Gly Asp Leu Ala Asn	Thr		
	215		220		225
Phe Arg Gly Phe	Thr Gln Leu Gln Thr	Leu Ile Leu Pro Gln	His		
	230		235		240
Val Asn Cys Pro	Gly Gly Ile Asn Ala	Trp Asn Thr Ile Thr	Ser		
	245		250		255
Tyr Ile Asp Asn	Gln Ile Cys Gln Gly	Gln Lys Asn Leu Cys	Asn		
	260		265		270
Asn Thr Gly Asp	Pro Glu Met Cys Pro	Glu Asn Gly Ser Cys	Val		
	275		280		285
Pro Asp Gly Pro	Gly Leu Leu Gln Cys	Val Cys Ala Asp Gly	Phe		
	290		295		300
His Gly Tyr Lys	Cys Met Arg Gln Gly	Ser Phe Ser Leu Leu	Met		
	305		310		315
Phe Phe Gly Ile	Leu Gly Ala Thr Thr	Leu Ser Val Ser Ile	Leu		
	320		325		330
Leu Trp Ala Thr	Gln Arg Arg Lys Ala	Lys Thr Ser			
	335		340		

<210> 13

<211> 451

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2267403CD1

<400> 13

Met Val Pro Glu Val	Arg Val Leu Ser	Ser Leu Leu Gly Leu	Ala
1	5	10	15
Leu Leu Trp Phe	Pro Leu Asp Ser His	Ala Arg Ala Arg Pro	Asp
	20	25	30
Met Phe Cys Leu	Phe His Gly Lys Arg	Tyr Ser Pro Gly Glu	Ser
	35	40	45
Trp His Pro Tyr	Leu Glu Pro Gln Gly	Leu Met Tyr Cys Leu	Arg
	50	55	60
Cys Thr Cys Ser	Glu Gly Ala His Val	Ser Cys Tyr Arg Leu	His
	65	70	75
Cys Pro Pro Val	His Cys Pro Gln Pro	Val Thr Glu Pro Gln	Gln
	80	85	90
Cys Cys Pro Lys	Cys Val Glu Pro His	Thr Pro Ser Gly Leu	Arg
	95	100	105
Ala Pro Pro Lys	Ser Cys Gln His Asn	Gly Thr Met Tyr Gln	His

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	110	115	120
Gly Glu Ile Phe	Ser Ala His Glu Leu	Phe Pro Ser Arg Leu	Pro
	125	130	135
Asn Gln Cys Val	Leu Cys Ser Cys Thr	Glu Gly Gln Ile Tyr	Cys
	140	145	150
Gly Leu Thr Thr	Cys Pro Glu Pro Gly	Cys Pro Ala Pro Leu	Pro
	155	160	165
Leu Pro Asp Ser	Cys Cys Gln Ala Cys	Lys Asp Glu Ala Ser	Glu
	170	175	180
Gln Ser Asp Glu	Glu Asp Ser Val Gln	Ser Leu His Gly Val	Arg
	185	190	195
His Pro Gln Asp	Pro Cys Ser Ser Asp	Ala Gly Arg Lys Arg	Gly
	200	205	210
Pro Gly Thr Pro	Ala Pro Thr Gly Leu	Ser Ala Pro Leu Ser	Phe
	215	220	225
Ile Pro Arg His	Phe Arg Pro Lys Gly	Ala Gly Ser Thr Thr	Val
	230	235	240
Lys Ile Val Leu	Lys Glu Lys His Lys	Lys Ala Cys Val His	Gly
	245	250	255
Gly Lys Thr Tyr	Ser His Gly Glu Val	Trp His Pro Ala Phe	Arg
	260	265	270
Ala Phe Gly Pro	Leu Pro Cys Ile Leu	Cys Thr Cys Glu Asp	Gly
	275	280	285
Arg Gln Asp Cys	Gln Arg Val Thr Cys	Pro Thr Glu Tyr Pro	Cys
	290	295	300
Arg His Pro Glu	Lys Val Ala Gly Lys	Cys Cys Lys Ile Cys	Pro
	305	310	315
Glu Asp Lys Ala	Asp Pro Gly His Ser	Glu Ile Ser Ser Thr	Arg
	320	325	330
Cys Pro Lys Ala	Pro Gly Arg Val Leu	Val His Thr Ser Val	Ser
	335	340	345
Pro Ser Pro Asp	Asn Leu Arg Arg Phe	Ala Leu Glu His Glu	Ala
	350	355	360
Ser Asp Leu Val	Glu Ile Tyr Leu Trp	Lys Leu Val Lys Asp	Glu
	365	370	375
Glu Thr Glu Ala	Gln Arg Gly Glu Val	Pro Gly Pro Arg Pro	His
	380	385	390
Ser Gln Asn Leu	Pro Leu Asp Ser Asp	Gln Glu Ser Gln Glu	Ala
	395	400	405
Arg Leu Pro Glu	Arg Gly Thr Ala Leu	Pro Thr Ala Arg Trp	Pro
	410	415	420
Pro Arg Arg Ser	Leu Glu Arg Leu Pro	Ser Pro Asp Pro Gly	Ala
	425	430	435
Glu Gly His Gly	Gln Ser Arg Gln Ser	Asp Gln Asp Ile Thr	Lys
	440	445	450

Thr

<210> 14
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature

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<223> Incyte ID No: 2933038CD1

<400> 14

Met Leu Gly Ser Arg Ala Val Met Leu Leu Leu Leu Leu Pro Trp
1 5 10 15
Thr Ala Gln Gly Arg Ala Val Pro Gly Gly Ser Ser Pro Ala Trp
20 25 30
Thr Gln Cys Gln Gln Leu Ser Gln Lys Leu Cys Thr Leu Ala Trp
35 40 45
Ser Ala His Pro Leu Val Gly His Met Asp Leu Arg Glu Glu Gly
50 55 60
Asp Glu Glu Thr Thr Asn Asp Val Pro His Ile Gln Cys Gly Asp
65 70 75
Gly Cys Asp Pro Gln Gly Leu Arg Asp Asn Ser Gln Phe Cys Leu
80 85 90
Gln Arg Ile His Gln Gly Leu Ile Phe Tyr Glu Lys Leu Leu Gly
95 100 105
Ser Asp Ile Phe Thr Gly Glu Pro Ser Leu Leu Pro Asp Ser Pro
110 115 120
Val Gly Gln Leu His Ala Ser Leu Leu Gly Leu Ser Gln Leu Leu
125 130 135
Gln Pro Glu Gly His His Trp Glu Thr Gln Gln Ile Pro Ser Leu
140 145 150
Ser Pro Ser Gln Pro Trp Gln Arg Leu Leu Leu Arg Phe Lys Ile
155 160 165
Leu Arg Ser Leu Gln Ala Phe Val Ala Val Ala Ala Arg Val Phe
170 175 180
Ala His Gly Ala Ala Thr Leu Ser Pro
185

<210> 15

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3216587CD1

<400> 15

Met Gly Ala Val Met Gly Thr Phe Ser Ser Leu Gln Thr Lys Gln
1 5 10 15
Arg Arg Pro Ser Lys Asp Lys Ile Glu Asp Glu Leu Glu Met Thr
20 25 30
Met Val Cys His Arg Pro Glu Gly Leu Glu Gln Leu Glu Ala Gln
35 40 45
Thr Asn Phe Thr Lys Arg Glu Leu Gln Val Leu Tyr Arg Gly Phe
50 55 60
Lys Asn Glu Cys Pro Ser Gly Val Val Asn Glu Asp Thr Phe Lys
65 70 75
Gln Ile Tyr Ala Gln Phe Phe Pro His Gly Asp Ala Ser Thr Tyr
80 85 90
Ala His Tyr Leu Phe Asn Ala Phe Asp Thr Thr Gln Thr Gly Ser
95 100 105
Val Lys Phe Glu Asp Phe Val Thr Ala Leu Ser Ile Leu Leu Arg

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	110		115		120
Gly Thr Val His	Glu Lys Leu Arg Trp Thr Phe Asn Leu Tyr Asp				
	125		130		135
Ile Asn Lys Asp	Gly Tyr Ile Asn Lys Glu Glu Met Met Asp Ile				
	140		145		150
Val Lys Ala Ile	Tyr Asp Met Met Gly Lys Tyr Thr Tyr Pro Val				
	155		160		165
Leu Lys Glu Asp	Thr Pro Arg Gln His Val Asp Val Phe Phe Gln				
	170		175		180
Lys Met Asp Lys	Asn Lys Asp Gly Ile Val Thr Leu Asp Glu Phe				
	185		190		195
Leu Glu Ser Cys	Gln Glu Asp Asp Asn Ile Met Arg Ser Leu Gln				
	200		205		210
Leu Phe Gln Asn Val Met					
	215				

<210> 16

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5037143CD1

<400> 16

Met Ala Ala Ala Arg	Leu Cys Leu Ser Leu Leu Leu Ser Thr	
1	5	10
Cys Val Ala Leu Leu	Gln Pro Leu Leu Gly Ala Gln Gly Ala	
	20	25
Pro Leu Glu Pro Val	Tyr Pro Gly Asp Asn Ala Thr Pro Glu Gln	
	35	40
Met Ala Gln Tyr Ala	Ala Asp Leu Arg Arg Tyr Ile Asn Met Leu	
	50	55
Thr Arg Pro Arg Cys	Val Pro Gln Leu Gly Arg Glu Ile Pro Ala	
	65	70
Pro Gly Thr Leu Gly	Pro Leu His Ile Pro Gly His Thr Leu Ser	
	80	85
Pro Ala Pro Ala Pro	Ala Pro Ser Arg Pro Ala Leu Gly Lys Thr	
	95	100
Gly His Leu Cys Ser	Thr Gly Leu Asp Gln Cys Ala Leu Gly Lys	
	110	115
Met Val Pro Thr Gly	Arg Tyr Glu Thr Gly Gly Leu Ala Pro Gly	
	125	130
His Ser Ala Cys Pro	Cys Cys Leu Phe Pro Pro Arg Tyr Gly Lys	
	140	145
Arg His Lys Glu Asp	Thr Leu Ala Phe Ser Glu Trp Gly Ser Pro	
	155	160
His Ala Ala Val Pro	Arg Glu Leu Ser Pro Leu Asp Leu	
	170	175

<210> 17

<211> 177

<212> PRT

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte ID No: 1235265CD1

<400> 17

Met	Glu	Pro	Gly	Asn	Arg	Ser	Leu	Asn	Pro	His	Lys	Thr	Lys	His
1				5					10					15
His	Met	Glu	Cys	Arg	Val	Thr	Gly	Arg	Ala	Glu	Val	Thr	Ala	Ser
				20					25					30
Arg	Glu	Gly	Arg	Gly	Ala	Cys	Ala	Trp	Glu	Cys	Gly	Ser	Ser	Arg
				35					40					45
Gly	Pro	Trp	Gly	Leu	Leu	Arg	Tyr	Thr	Phe	Ala	Pro	Val	Arg	Ala
				50					55					60
Ser	Arg	Pro	Trp	Ala	Cys	Leu	Pro	Lys	Gly	Ser	Leu	Ser	Gln	Arg
				65					70					75
Pro	Lys	Leu	Pro	Pro	Pro	Val	His	Leu	Pro	Pro	Lys	Ser	Ser	Cys
				80					85					90
Pro	Pro	Arg	Ala	Gly	Gly	Gly	Gly	Ala	Gln	Gly	Arg	Gly	Val	Pro
				95					100					105
Cys	Thr	Tyr	Leu	Ser	Pro	Leu	Ser	His	Ser	Pro	Lys	Thr	Phe	Cys
				110					115					120
Thr	Phe	Leu	Gln	Gly	Cys	Pro	Ser	Gln	Gln	Phe	Pro	Ser	Trp	Leu
				125					130					135
Ile	Lys	Pro	Ser	Asp	Trp	Cys	Cys	Val	Pro	Ser	Leu	Trp	Pro	Leu
				140					145					150
Cys	Gly	Glu	Arg	Gly	Leu	Gln	Gly	Glu	Pro	Gly	Arg	Asp	Ser	
				155					160					165
Gln	Ala	Ser	Pro	Trp	Glu	Gly	Gly	Ala	Ser	Arg	Arg			
				170					175					

<210> 18

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5571181CD1

<400> 18

Met	Ala	Ala	Leu	Gln	Lys	Ser	Val	Ser	Ser	Phe	Leu	Met	Gly	Thr
1				5					10					15
Leu	Ala	Thr	Ser	Cys	Leu	Leu	Leu	Leu	Ala	Leu	Leu	Val	Gln	Gly
				20					25					30
Gly	Ala	Ala	Ala	Pro	Ile	Ser	Ser	His	Cys	Arg	Leu	Asp	Lys	Ser
				35					40					45
Asn	Phe	Gln	Gln	Pro	Tyr	Ile	Thr	Asn	Arg	Thr	Phe	Met	Leu	Ala
				50					55					60
Lys	Glu	Ala	Ser	Leu	Ala	Asp	Asn	Asn	Thr	Asp	Val	Arg	Leu	Ile
				65					70					75
Gly	Glu	Lys	Leu	Phe	His	Gly	Val	Ser	Met	Ser	Glu	Arg	Cys	Tyr
				80					85					90
Leu	Met	Lys	Gln	Val	Leu	Asn	Phe	Thr	Leu	Glu	Glu	Val	Leu	Phe
				95					100					105
Pro	Gln	Ser	Asp	Arg	Phe	Gln	Pro	Tyr	Met	Gln	Glu	Val	Val	Pro

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	110		115		120									
Phe	Leu	Ala	Arg	Leu	Ser	Asn	Arg	Leu	Ser	Thr	Cys	His	Ile	Glu
	125				130									135
Gly	Asp	Asp	Leu	His	Ile	Gln	Arg	Asn	Val	Gln	Lys	Leu	Lys	Asp
	140				145									150
Thr	Val	Lys	Lys	Leu	Gly	Glu	Ser	Gly	Glu	Ile	Lys	Ala	Ile	Gly
	155				160									165
Glu	Leu	Asp	Leu	Leu	Phe	Met	Ser	Leu	Arg	Asn	Ala	Cys	Ile	
	170								175					

<210> 19

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 685374CD1

<400> 19

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Ile	Val	Thr	Lys	Leu	Tyr	Ser	Arg	Gln	Gly	Tyr	His	Leu	Gln	Leu
			20						25					30
Gln	Ala	Asp	Gly	Thr	Ile	Asp	Gly	Thr	Lys	Asp	Glu	Asp	Ser	Thr
			35						40					45
Tyr	Thr	Leu	Phe	Asn	Leu	Ile	Pro	Val	Gly	Leu	Arg	Val	Val	Ala
			50						55					60
Ile	Gln	Gly	Val	Gln	Thr	Lys	Leu	Tyr	Leu	Ala	Met	Asn	Ser	Glu
			65						70					75
Gly	Tyr	Leu	Tyr	Thr	Ser	Glu	Leu	Phe	Thr	Pro	Glu	Cys	Lys	Phe
			80						85					90
Lys	Glu	Ser	Val	Phe	Glu	Asn	Tyr	Tyr	Val	Thr	Tyr	Ser	Ser	Met
			95						100					105
Ile	Tyr	Arg	Gln	Gln	Gln	Ser	Gly	Arg	Gly	Trp	Tyr	Leu	Gly	Leu
			110						115					120
Asn	Lys	Glu	Gly	Glu	Ile	Met	Lys	Gly	Asn	His	Val	Lys	Lys	Asn
			125						130					135
Lys	Pro	Ala	Ala	His	Phe	Leu	Pro	Lys	Pro	Leu	Lys	Val	Ala	Met
			140						145					150
Tyr	Lys	Glu	Pro	Ser	Leu	His	Asp	Leu	Thr	Glu	Phe	Ser	Arg	Ser
			155						160					165
Gly	Ser	Gly	Thr	Pro	Thr	Lys	Ser	Arg	Ser	Val	Ser	Gly	Val	Leu
			170						175					180
Asn	Gly	Gly	Lys	Ser	Met	Ser	His	Asn	Glu	Ser	Thr	Pro	Val	Arg
			185						190					195
Ala	Lys	Glu	Gly	Leu	Cys	Asn	Arg	Thr	Leu	Pro	Pro	Gly	Ala	Val
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Glu Phe Phe

<210> 20

<211> 239

<212> PRT

<213> Homo sapiens

PF-0701 USA

<220>

<221> misc_feature

<223> Incyte ID No: 843193CD1

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20 25 30
Trp Cys His Pro Lys Gln Ile Asp Thr Ile Phe Pro Leu Val Thr
35 40 45
Ala Lys Gly Glu Asn His Pro Ser Pro Asn Phe Asn Gln Tyr Val
50 55 60
Arg Asp Gln Gly Ala Met Thr Asp Gln Leu Ser Arg Arg Gln Ile
65 70 75
Arg Glu Tyr Gln Leu Tyr Ser Arg Thr Ser Gly Lys His Val Gln
80 85 90
Val Thr Gly Arg Arg Ile Ser Ala Thr Ala Glu Asp Gly Asn Lys
95 100 105
Phe Ala Lys Leu Ile Val Glu Thr Asp Thr Phe Gly Ser Arg Val
110 115 120
Arg Ile Lys Gly Ala Glu Ser Glu Lys Tyr Ile Cys Met Asn Lys
125 130 135
Arg Gly Lys Leu Ile Gly Lys Pro Ser Gly Lys Ser Lys Asp Cys
140 145 150
Val Phe Thr Glu Ile Val Leu Glu Asn Asn Tyr Thr Ala Phe Gln
155 160 165
Asn Ala Arg His Glu Gly Trp Phe Met Ala Phe Thr Arg Gln Gly
170 175 180
Arg Pro Arg Gln Ala Ser Arg Ser Arg Gln Asn Gln Arg Glu Ala
185 190 195
His Phe Ile Lys Arg Leu Tyr Gln Gly Gln Leu Pro Leu Thr Asn
200 205 210
His Ala Glu Lys Gln Lys Gln Phe Glu Phe Val Gly Ser Ala Pro
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Thr Arg Arg Ala Lys Arg Thr Arg Arg Pro Gln Pro Leu Thr
230 235

<210> 21

<211> 493

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1359783CD1

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20 25 30
Asp Gly Tyr Glu Trp Asp Pro Val Arg Gln Gln Cys Lys Asp Ile
35 40 45
Asp Glu Cys Asp Ile Val Pro Asp Ala Cys Lys Gly Gly Met Lys

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					50					55					60
Cys	Val	Asn	His	Tyr	Gly	Gly	Tyr	Leu	Cys	Leu	Pro	Lys	Thr	Ala	
				65					70					75	
Gln	Ile	Ile	Val	Asn	Asn	Glu	Gln	Pro	Gln	Gln	Glu	Thr	Gln	Pro	
				80					85					90	
Ala	Glu	Gly	Thr	Ser	Gly	Ala	Thr	Thr	Gly	Val	Val	Ala	Ala	Ser	
				95					100					105	
Ser	Met	Ala	Thr	Ser	Gly	Val	Leu	Pro	Gly	Gly	Gly	Phe	Val	Ala	
				110					115					120	
Ser	Ala	Ala	Ala	Val	Ala	Gly	Pro	Glu	Met	Gln	Thr	Gly	Arg	Asn	
				125					130					135	
Asn	Phe	Val	Ile	Arg	Arg	Asn	Pro	Ala	Asp	Pro	Gln	Arg	Ile	Pro	
				140					145					150	
Ser	Asn	Pro	Ser	His	Arg	Ile	Gln	Cys	Ala	Ala	Gly	Tyr	Glu	Gln	
				155					160					165	
Ser	Glu	His	Asn	Val	Cys	Gln	Asp	Ile	Asp	Glu	Cys	Thr	Ala	Gly	
				170					175					180	
Thr	His	Asn	Cys	Arg	Ala	Asp	Gln	Val	Cys	Ile	Asn	Leu	Arg	Gly	
				185					190					195	
Ser	Phe	Ala	Cys	Gln	Cys	Pro	Pro	Gly	Tyr	Gln	Lys	Arg	Gly	Glu	
				200					205					210	
Gln	Cys	Val	Asp	Ile	Asp	Glu	Cys	Thr	Ile	Pro	Pro	Tyr	Cys	His	
				215					220					225	
Gln	Arg	Cys	Val	Asn	Thr	Pro	Gly	Ser	Phe	Tyr	Cys	Gln	Cys	Ser	
				230					235					240	
Pro	Gly	Phe	Gln	Leu	Ala	Ala	Asn	Asn	Tyr	Thr	Cys	Val	Asp	Ile	
				245					250					255	
Asn	Glu	Cys	Asp	Ala	Ser	Asn	Gln	Cys	Ala	Gln	Gln	Cys	Tyr	Asn	
				260					265					270	
Ile	Leu	Gly	Ser	Phe	Ile	Cys	Gln	Cys	Asn	Gln	Gly	Tyr	Glu	Leu	
				275					280					285	
Ser	Ser	Asp	Arg	Leu	Asn	Cys	Glu	Asp	Ile	Asp	Glu	Cys	Arg	Thr	
				290					295					300	
Ser	Ser	Tyr	Leu	Cys	Gln	Tyr	Gln	Cys	Val	Asn	Glu	Pro	Gly	Lys	
				305					310					315	
Phe	Ser	Cys	Met	Cys	Pro	Gln	Gly	Tyr	Gln	Val	Val	Arg	Ser	Arg	
				320					325					330	
Thr	Cys	Gln	Asp	Ile	Asn	Glu	Cys	Glu	Thr	Thr	Asn	Glu	Cys	Arg	
				335					340					345	
Glu	Asp	Glu	Met	Cys	Trp	Asn	Tyr	His	Gly	Gly	Phe	Arg	Cys	Tyr	
				350					355					360	
Pro	Arg	Asn	Pro	Cys	Gln	Asp	Pro	Tyr	Ile	Leu	Thr	Pro	Glu	Asn	
				365					370					375	
Arg	Cys	Val	Cys	Pro	Val	Ser	Asn	Ala	Met	Cys	Arg	Glu	Leu	Pro	
				380					385					390	
Gln	Ser	Ile	Val	Tyr	Lys	Tyr	Met	Ser	Ile	Arg	Ser	Asp	Arg	Ser	
				395					400					405	
Val	Pro	Ser	Asp	Ile	Phe	Gln	Ile	Gln	Ala	Thr	Thr	Ile	Tyr	Ala	
				410					415					420	
Asn	Thr	Ile	Asn	Thr	Phe	Arg	Ile	Lys	Ser	Gly	Asn	Glu	Asn	Gly	
				425					430					435	
Glu	Phe	Tyr	Leu	Arg	Gln	Thr	Ser	Pro	Val	Ser	Ala	Met	Leu	Val	
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<212> PRT
<213> Homo sapiens
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<400> 22

Lys

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<210> 23
<211> 116
<212> PRT
<213> Homo sapiens
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<400> 23

15

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				95					100					105
Ser	Leu	Ala	Ala	Pro	Gln	Arg	Phe	Gly	Lys	Lys				
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<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4003984CD1

<400> 24

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Ser	Ala	Gln	Ala	Phe	Pro	Gln	Thr	Asp	Ile	Ser	Ile	Ser	Pro	Ala
				20					25					30
Leu	Pro	Glu	Leu	Pro	Leu	Pro	Ser	Leu	Cys	Pro	Leu	Phe	Trp	Met
				35					40					45
Glu	Phe	Lys	Gly	His	Cys	Tyr	Arg	Phe	Phe	Pro	Leu	Asn	Lys	Thr
				50					55					60
Trp	Ala	Glu	Ala	Asp	Leu	Tyr	Cys	Ser	Glu	Phe	Ser	Val	Gly	Arg
				65					70					75
Lys	Ser	Ala	Lys	Leu	Ala	Ser	Ile	His	Ser	Trp	Glu	Glu	Asn	Val
				80					85					90
Phe	Val	Tyr	Asp	Leu	Val	Asn	Ser	Cys	Val	Pro	Gly	Ile	Pro	Ala
				95					100					105
Asp	Val	Trp	Thr	Gly	Leu	His	Asp	His	Arg	Gln	Val	Arg	Lys	Gln
				110					115					120
Trp	Pro	Leu	Gly	Pro	Leu	Gly	Ser	Ser	Ser	Gln	Asp	Ser	Ile	Leu
				125					130					135

Ile

<210> 25

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4365383CD1

<400> 25

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Lys	Lys	Phe	Ser	Ile	His	Asp	Gln	Asp	His	Lys	Val	Leu	Val	Leu
				20					25					30
Asp	Ser	Gly	Asn	Leu	Ile	Ala	Val	Pro	Asp	Lys	Asn	Tyr	Ile	Arg
				35					40					45
Pro	Glu	Ile	Phe	Phe	Ala	Leu	Ala	Ser	Ser	Leu	Ser	Ser	Ala	Ser
				50					55					60
Ala	Glu	Lys	Gly	Ser	Pro	Ile	Leu	Leu	Gly	Val	Ser	Lys	Gly	Glu

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	65		70		75
Phe Cys Leu Tyr Cys Asp Lys Asp Lys Gly Gln Ser His Pro Ser					
	80		85		90
Leu Gln Leu Lys Lys Glu Lys Leu Met Lys Leu Ala Ala Gln Lys					
	95		100		105
Glu Ser Ala Arg Arg Pro Phe Ile Phe Tyr Arg Ala Gln Val Gly					
	110		115		120
Ser Trp Asn Met Leu Glu Ser Ala Ala His Pro Gly Trp Phe Ile					
	125		130		135
Cys Thr Ser Cys Asn Cys Asn Glu Pro Val Gly Val Thr Asp Lys					
	140		145		150
Phe Glu Asn Arg Lys His Ile Glu Phe Ser Phe Gln Pro Val Cys					
	155		160		165
Lys Ala Glu Met Ser Pro Ser Glu Val Ser Asp					
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<210> 26

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5497814CD1

<400> 26

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Cys Ser His Leu Ser Thr Phe Leu Trp Pro Pro Ser Leu Ala Cys					
	20		25		30
Cys Leu Glu Thr Leu Val Gly Ile Pro Phe Ser Arg His Arg Ser					
	35		40		45
Leu Gly Leu Ile Pro Ala Pro Arg Cys Leu Pro Leu Pro Ala Ala					
	50		55		60
Ile Pro Thr Ser Leu Cys Ser Pro Pro Phe His Ser Leu His Ser					
	65		70		75
Leu Pro Arg Cys Pro Leu Leu Lys Val Leu Gly His Pro Gln Val					
	80		85		90
Ala Trp Ser Arg Gln Gln Pro Leu His Phe Thr Ser Ala Asn Asp					
	95		100		105
Arg His Leu Ser Lys Ala Cys Pro Gly Cys Ser Trp Tyr Ser Ser					
	110		115		120
Asp Ser Leu Val Ala Phe Gln Arg Pro Phe Pro Ser Gly Leu					
	125		130		

<210> 27

<211> 2730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1288847CB1

<400> 27

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<210> 28

<211> 1339

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1329044CB1

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<400> 28

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<210> 29

<211> 987

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1493630CB1

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<210> 30

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<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1533041CB1

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<210> 31

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1566162CB1

<400> 31

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cagagagaaa aaaaagatca agagaagcca ttctggctct gccacatccc cacagccagc 180
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<210> 32

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1811831CB1

<400> 32

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<210> 33

<211> 658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1835447CB1

<400> 33

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<210> 34

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3892281CB1

<400> 34

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caacaactat ttgccccaga caactgtttt tcccccttcc ttctatggat tgaccagcca 120
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<210> 35

<211> 996

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4318494CB1

<400> 35

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<210> 36

<211> 795

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5090841CB1

<400> 36

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<210> 37

<211> 1419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2006548CB1

<400> 37

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<210> 38

<211> 1265

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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0996558 09260

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<400> 38

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<210> 39

<211> 1720

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2267403CB1

<400> 39

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<211> 1055

<212> DNA

<213> Homo sapiens

<220>

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<211> 1379

<212> DNA

<213> Homo sapiens

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<400> 41

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<210> 42

<211> 702

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 5037143CB1

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<210> 43

<211> 1855

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1235265CB1

<400> 43

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<211> 1132

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 5571181CB1

<400> 44

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<210> 45

<211> 1906

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 685374CB1

<400> 45

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<210> 46

<211> 1803

<212> DNA

<213> Homo sapiens

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<220>

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<223> Incyte ID No: 843193CB1

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<210> 47

<211> 3053

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1359783CB1

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<213> Homo sapiens

<220>

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<211> 613

<212> DNA

<213> Homo sapiens

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<212> DNA

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<210> 51

<211> 630

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 4365383CB1

<400> 51

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<210> 52

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5497814CB1

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cagcagccac tgcactttac ctctgccaat gaccgtcatc tctccaaggc ctgccctggc 360
tgagctgggt attccagtga cagcctgggt gcatttcaga gacccttccc ttcagggtg 420
tgagaaggcg gcagcgttcc catgtgggaa aaaggaggag gagggctgtg tcttctctac 480
tgtctctgag cagccccgcc c 501

<210> 53

<211> 179

<212> PRT

<213> Cervus elaphus

<220>

<221> misc_feature

<223> Genbank ID No: gi511295

<400> 53

099552 092601

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Met	Pro	Ser	Ser	Ser	Ala	Leu	Leu	Cys	Cys	Leu	Val	Phe	Leu	Ala
1				5					10					15
Gly	Val	Ala	Ala	Ser	Arg	Asp	Ala	Ser	Ala	Pro	Ser	Asp	Ser	Ser
				20					25					30
Cys	Thr	His	Phe	Ser	Asn	Ser	Leu	Pro	Leu	Met	Leu	Arg	Glu	Leu
				35					40					45
Arg	Thr	Ala	Phe	Ser	Arg	Val	Lys	Asn	Phe	Phe	Gln	Met	Lys	Asp
				50					55					60
Gln	Leu	Asp	Ser	Met	Leu	Leu	Thr	Gln	Ser	Leu	Leu	Asp	Asp	Phe
				65					70					75
Lys	Gly	Tyr	Leu	Gly	Cys	Gln	Ala	Leu	Ser	Glu	Met	Ile	Gln	Phe
				80					85					90
Tyr	Leu	Glu	Glu	Val	Met	Pro	Gln	Ala	Glu	Asn	His	Gly	Pro	Glu
				95					100					105
Ile	Lys	Glu	His	Val	Asn	Ser	Leu	Gly	Glu	Lys	Leu	Lys	Thr	Leu
				110					115					120
Arg	Leu	Arg	Leu	Arg	Arg	Cys	His	Arg	Phe	Leu	Pro	Cys	Glu	Asn
				125					130					135
Lys	Ser	Lys	Ala	Val	Glu	Gln	Val	Lys	Ser	Val	Phe	Ser	Lys	Leu
				140					145					150
Gln	Glu	Arg	Gly	Val	Tyr	Lys	Ala	Met	Ser	Glu	Phe	Asp	Ile	Phe
				155					160					165
Ile	Asn	Tyr	Ile	Glu	Thr	Tyr	Thr	Thr	Met	Lys	Met	Lys	Asn	
				170					175					

<210> 54

<211> 193

<212> PRT

<213> Macaca fascicularis

<220>

<221> misc_feature

<223> Genbank ID No: gi1841298

<220>

<221> unsure

<222> 179-193

<223> Xaa is unknown

<400> 54

Met	His	Ser	Ser	Ala	Leu	Leu	Cys	Cys	Leu	Val	Leu	Leu	Thr	Gly
1				5					10					15
Val	Arg	Ala	Ser	Pro	Gly	Gln	Gly	Thr	Gln	Ser	Glu	Asn	Ser	Cys
				20					25					30
Thr	Arg	Phe	Pro	Gly	Asn	Leu	Pro	His	Met	Leu	Arg	Asp	Leu	Arg
				35					40					45
Asp	Ala	Phe	Ser	Arg	Val	Lys	Thr	Phe	Phe	Gln	Met	Lys	Asp	Gln
				50					55					60
Leu	Asp	Asn	Ile	Leu	Leu	Lys	Glu	Ser	Leu	Leu	Glu	Asp	Phe	Lys
				65					70					75
Gly	Tyr	Leu	Gly	Cys	Gln	Ala	Leu	Ser	Glu	Met	Ile	Gln	Phe	Tyr
				80					85					90
Leu	Glu	Glu	Val	Met	Pro	Gln	Ala	Glu	Asn	His	Asp	Pro	Asp	Ile
				95					100					105
Lys	Glu	His	Val	Asn	Ser	Leu	Gly	Glu	Asn	Leu	Lys	Thr	Leu	Arg

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	110		115		120
Leu Arg Leu Arg	Arg Cys His Arg Phe	Leu Pro Cys Glu Asn Lys			
	125		130		135
Ser Lys Ala Val	Glu Gln Val Lys Asn Ala Phe Ser Lys Leu Gln				
	140		145		150
Glu Lys Gly Val	Tyr Lys Ala Met Ser Glu Phe Asp Ile Phe Ile				
	155		160		165
Asn Tyr Ile Glu	Ala Tyr Met Thr Met Lys Ile Arg Asn Xaa Xaa				
	170		175		180
Xaa Xaa Xaa Xaa	Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa				
	185		190		

<210> 55

<211> 178

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Genbank ID No: gi106805

<400> 55

Met His Ser Ser	Ala Leu Leu Cys Cys	Leu Val Leu Leu Thr Gly			
1	5	10			15
Val Arg Ala Ser	Pro Gly Gln Gly Thr Gln Ser Glu Asn Ser Cys				
	20	25			30
Thr His Phe Pro	Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg				
	35	40			45
Asp Ala Phe Ser	Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln				
	50	55			60
Leu Asp Asn Leu	Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys				
	65	70			75
Gly Tyr Leu Gly	Cys Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr				
	80	85			90
Leu Glu Glu Val	Met Pro Gln Ala Glu Asn Gln Asp Pro Asp Ile				
	95	100			105
Lys Ala His Val	Asn Ser Leu Gly Glu Asn Leu Lys Thr Leu Arg				
	110	115			120
Leu Arg Leu Arg	Arg Cys His Arg Phe Leu Pro Cys Glu Asn Lys				
	125	130			135
Ser Lys Ala Val	Glu Gln Val Lys Asn Ala Phe Asn Lys Leu Gln				
	140	145			150
Glu Lys Gly Ile	Tyr Lys Ala Met Ser Glu Phe Asp Ile Phe Ile				
	155	160			165
Asn Tyr Ile Glu	Ala Tyr Met Thr Met Lys Ile Arg Asn				
	170	175			